



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/807,330	03/24/2004	Akemi Kurumatani	009683-502	4023
21839 7590 09/19/2007 BUCHANAN, INGERSOLL & ROONEY PC POST OFFICE BOX 1404 ALEXANDRIA, VA 22313-1404			EXAMINER HILLERY, NATHAN	
			ART UNIT	PAPER NUMBER
			2176	
			NOTIFICATION DATE	DELIVERY MODE
			09/19/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ADIPFDD@bipc.com
debra.hawkins@bipc.com

Office Action Summary	Application No. 10/807,330	Applicant(s) KURUMATANI, AKEMI	
	Examiner Nathan Hillery	Art Unit 2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 June 2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive to communications: RCE filed on 6/25/07.
2. Claims 1 – 16 are pending in the case. Claims 1, 7, 10, 11, and 14 are independent.

Continued Examination Under 37 CFR 1.114

3. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 6/25/07 has been entered.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1 – 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ecolore (glossares.xml source code, glossaries.xml, glossaries_en.xml source code, glossaries.xml?lang=en, glossaries_el.xml source code, and glossaries.xml?lang=el), and further in view of Bravery et al. (20030037076).

Art Unit: 2176

6. **Regarding independent claim 1**, Ecolore illustrates, via glossaries_en.xml (p 5) and glossaries_el.xml (p 6), **a first memory storing a plurality of data definition files of a first type defining contents of data to be displayed on said client computer.**



Glossaries

Translation and Interpreting Terminology
[<http://web.archive.org/web/20030720165418/http://www.trans-k.co.uk/glossary.html>]

(Mostly) Bilingual glossary of English and German terms related to translation and interpreting. These include some localisation terms.

Unicode Glossary
[<http://web.archive.org/web/20030720165418/http://www.unicode.org/glossary/>]

Extensive glossary of terms related to character encoding, provided by the Unicode Consortium.



Γλωσσάρια

Όροι μετάφρασης και διερμηνείας
[<http://web.archive.org/web/20030719235710/http://www.trans-k.co.uk/glossary.html>]

Γλωσσάρι αγγλικών και γερμανικών όρων απ' το χώρο της μετάφρασης και της διερμηνείας. Εδώ συμπεριλαμβάνονται και όροι σχετικοί με την τοπική προσαρμογή.

Γλωσσάρι Unicode
[<http://web.archive.org/web/20030719235710/http://www.unicode.org/glossary/>]

Εκτεταμένο γλωσσάρι όρων απ' το χώρο της κωδικοποίησης χαρακτήρων, το οποίο παρέχει το Unicode Consortium

These represent the contents of data (glossaries_en.xml and glossaries_el.xml).

Ecolore illustrates, via glossaries.xml (p 4), **a second memory storing a data definition file of a second type defining, as data, file names of said data definition files of the first type.**

Art Unit: 2176



Sorry!

This document is not currently available in the language you requested ().

Please choose a language in which it is available:

- el
- en

The language codes conform to the ISO 639-1 standard. The languages to which they relate can be found by referring to the menu at the top of this page.

This is data definition file of a second type (glossaries.xml) that defines the data definition files of the first type (glossaries_en.xml and glossaries_el.xml). The bulleted “el” and “en” in the middle of the page represent links that activate the following code:

```
<a href="glossaries.xml?lang=de">Deutsch (de)</a> |
  <a href="glossaries.xml?lang=el">Ελληνικά (el)</a> |
  <a href="glossaries.xml?lang=en">English (en)</a> |
  <a href="glossaries.xml?lang=es">Español (es)</a> |
  <a href="glossaries.xml?lang=fr">Français (fr)</a> |
  <a href="glossaries.xml?lang=it">Italiano (it)</a> |
  <a href="glossaries.xml?lang=nl">Nederlands (nl)</a> |
  <a href="glossaries.xml?lang=ro">Română (ro)</a> |
  <a href="glossaries.xml?lang=fi">suomi (fi)</a>
```

The above code (glossaries.xml source code) on page 8 fetches the data content of the applicable data definition file, e.g. glossaries_en.xml (glossaries.xml?lang=en), glossaries_el.xml (glossaries.xml?lang=el), and displays the data contents to the user when the applicable data definition file is selected, which meet the limitations of **checking contents of the data definition file of the second type and selecting one of the data definition files of the first type and downloading the same to the client computer.**

Ecolore teaches that the HTML document was generated from XML using XSLT (source code of glossaries.xml, p 7, line 3) and that the user can choose a language via one of the links (glossaries.xml) (p 7, line 9), which meet the limitation of a **third memory storing a style definition file, defining a style for displaying said data definition file, and switching a file to be displayed among said plurality of data definition files of the first type by using said data definition file of the second type**. It should be noted that the XSLT is equivalent to the claimed **style definition file**, and the user's choice of language by clicking one of the links (el or en) in the glossaries.xml page (p 4) is equivalent to the claimed **switching a file to be displayed**.

```
glossaries
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN"
"http://www.w3.org/TR/html4/strict.dtd">
<html lang="en"><!--This HTML document was generated from XML using XSLT written by
Martin Thomas for the eCoLoRe project (http://ecolore.leeds.ac.uk/).-->
<head>
<BASE HREF="http://ecolore.leeds.ac.uk/xml/links/glossaries.xml">

<META http-equiv="Content-Type" content="text/html; charset=UTF-8">
<meta http-equiv="Content-Language" content="en">
<title>Please choose another language...</title>
```

This shows the source code of glossaries.xml (p 7, lines 1 – 9), which meet the limitation of **identifying the style definition file**.

Ecolore illustrates a **display displaying data on the client computer using the files stored in said first, second and third memories**, since the data that is displayed to the client is the webpage of glossaries.xml?lang=en, which is glossaries.xml with the content of glossaries_en.xml rendered by an XSLT.



This document is not currently available in the language you requested ().

Please choose a language in which it is available:

- el
- en

The language codes conform to the ISO 639-1 standard. The languages to which they relate can be found by referring to the menu at the top of this page.



Translation and Interpreting Terminology
(<http://web.archive.org/web/20030720165418/http://www.trans-k.co.uk/glossary.html>)

(Mostly) Bilingual glossary of English and German terms related to translation and interpreting. These include some localisation terms.

Unicode Glossary
(<http://web.archive.org/web/20030720165418/http://www.unicode.org/glossary/>)

Extensive glossary of terms related to character encoding, provided by the Unicode Consortium.

This data is displayed when a client accesses the glossaries.xml page (left) (p 4) and chooses English (en) as his/her language of preference, thus outputting the data contents of glossaries_en.xml (right) (glossaries.xml?lang=en) (p 5).

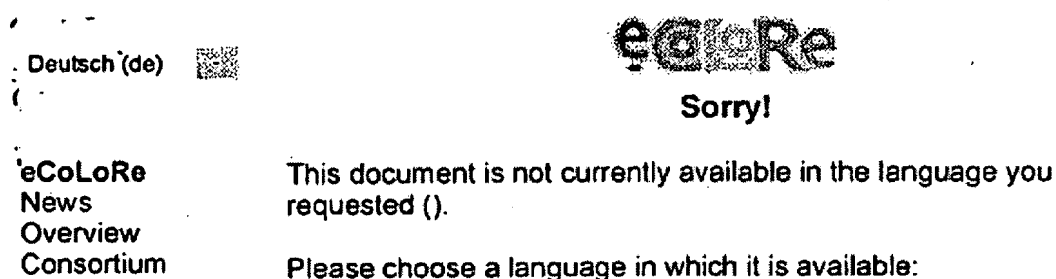
Ecolore does not explicitly teach, word for word, server and browser device.

However, Bravery teaches that referenced style sheet components include commands for applying presentation to dynamic data retrieved from a Web server (p 12, Right Column, lines 7 – 10), which meet the limitations of a server. Bravery also illustrates HTML pages in Netscape, which meet the limitation of a browser device.

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of Ecolore with that of bravery et al. because such a combination would provide the readers of Ecolore with a method of generating device-type-specific XSLT style sheets from relatively simple page layout files or 'presentation skeleton' files (paragraph block 0010).

7. **Regarding dependent claim 2**, Ecolore teaches that the HTML document was generated from XML using XSLT in the source code of glossaries.xml (p 7, lines 1 – 9), which meet the limitation of **display language is switched by switching a file used for display by said style definition file**.

8. **Regarding dependent claim 3**, Ecolore illustrates in the top left hand corner of glossaries.xml (p 4) that **by using said data definition file of the second type in said client computer, a menu for selecting a file used for display is displayed**.



As explained above (claim 1), glossaries.xml (p 4) is equivalent to the claimed **data definition file of the second type**. The pull down menu, represented by Deutsch (de) and an arrow on right, is in the upper left hand corner for selecting.

Art Unit: 2176



Ecolore teaches that when a user makes a selection via the drop down menu the appropriate page, `glossaries.xml?lang=en` for example, is displayed (glossaries.xml source code, p 8), which meet the limitation of **by receiving a user's selection through said menu, the file used for display is switched.**

```

        </script>
<noscript>
<div>
<a href="glossaries.xml?lang=de">Deutsch (de)</a> |
    <a href="glossaries.xml?lang=el">Ελληνικά (el)</a> |
    <a href="glossaries.xml?lang=en">English (en)</a> |
    <a href="glossaries.xml?lang=es">Español (es)</a> |
    <a href="glossaries.xml?lang=fr">Français (fr)</a> |
    <a href="glossaries.xml?lang=it">Italiano (it)</a> |
    <a href="glossaries.xml?lang=nl">Nederlands (nl)</a> |
    <a href="glossaries.xml?lang=ro">Română (ro)</a> |
    <a href="glossaries.xml?lang=fi">Suomi (fi)</a>
<br>
</div>
</noscript>

```

This shows the source code of glossaries.xml (p 8, middle).

9. **Regarding dependent claim 4**, Ecolore teaches that the HTML document was generated from XML using XSLT (source code of glossaries.xml, p 1, line 3), which

Art Unit: 2176

meet the limitation of **said data definition file is XML and said style definition file is XSLT.**

```

                                glossaries
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN"
"http://www.w3.org/TR/html4/strict.dtd">
<html lang="en"><!--This HTML document was generated from XML using XSLT written by
Martin Thomas for the eCoLoRe project (http://ecolore.leeds.ac.uk/).-->
<head>
<BASE HREF="http://ecolore.leeds.ac.uk/xml/links/glossaries.xml">
<META http-equiv="Content-Type" content="text/html; charset=UTF-8">
<meta http-equiv="Content-Language" content="en">
<title>Please choose another language...</title>

```

This shows the source code of glossaries.xml (p 7, lines 1 – 9).

10. **Regarding dependent claim 5, Ecolore does not explicitly teach that a fourth memory storing a data definition file of a third type defining a portion to be displayed among contents of the data of said data definition file of the first type; wherein said display displays data in said client computer by using files stored in said first, second, third and fourth memories.**

Bravery et al. teach that XSL is a language for expressing style sheets which describe presentation characteristics such as which data fields of an XML file are to be displayed, where they are to be displayed on the page, and how to display them (paragraph block 0005), which is equivalent tot the claimed **a fourth memory storing a data definition file of a third type defining a portion to be displayed among contents of the data of said data definition file of the first type.**

Bravery et al. teach that a presentation markup file built for each page and for each distinct markup language. This file defines how the page will look in a given

markup language for a class of display device (paragraph block 0042), which meet the limitation of **wherein said display displays data in said client computer by using files stored in said first, second, third and fourth memories**

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of Ecolore with that of Bravery et al. because such a combination would provide the readers of Ecolore with a method of generating device-type-specific XSLT style sheets from relatively simple page layout files or 'presentation skeleton' files (paragraph block 0010).

11. **Regarding dependent claim 6, Ecolore does not explicitly teach that said data definition file of the third type describes device information and each of said plurality of data definition files of the first type has same structure, holds the device information as tag attribute, and has a description corresponding to a characteristic of the data definition file including a description corresponding to a language of the data definition file.**

Bravery et al. teach a presentation markup file built for each page and for each distinct markup language. This file defines how the page will look in a given markup language for a class of display device (paragraph block 0042), which meet the limitation of **said data definition file of the third type describes device information.**

Bravery et al. teach that in a presentation skeleton, some of the presentation markup required to define the desired presentation characteristics for a particular Web page, markup language and device class has been substituted by XSLT statements or

special purpose XML tags that reference components. The markup within a presentation skeleton largely comprises the subset of presentation markup which is unique to a particular page and the component reference tags and XSLT statements are used to reference the subset of presentation characteristics which are shared across many pages as well as the incorporation of dynamic data from a back-end system (paragraph block 0042), which meet the limitation of **each of said plurality of data definition files of the first type has same structure, holds the device information as tag attribute, and has a description corresponding to a characteristic of the data definition file including a description corresponding to a language of the data definition file.**

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of Ecolore with that of bravery et al. because such a combination would provide the readers of Ecolore with a method of generating device-type-specific XSLT style sheets from relatively simple page layout files or 'presentation skeleton' files (paragraph block 0010).

12. **Regarding claims 7 – 16**, the claims incorporate substantially similar subject matter as claims 1 – 6, and are rejected along the same rationale.

Response to Arguments

13. Applicant's arguments with respect to claims 1 – 16 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nathan Hillery whose telephone number is (571) 272-4091. The examiner can normally be reached on M - F, 10:30 a.m. - 7:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doug Hutton can be reached on (571) 272-4137. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



NH

Nathan Hillery
Examiner
Art Unit 2176